

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
11 November 2004 (11.11.2004)

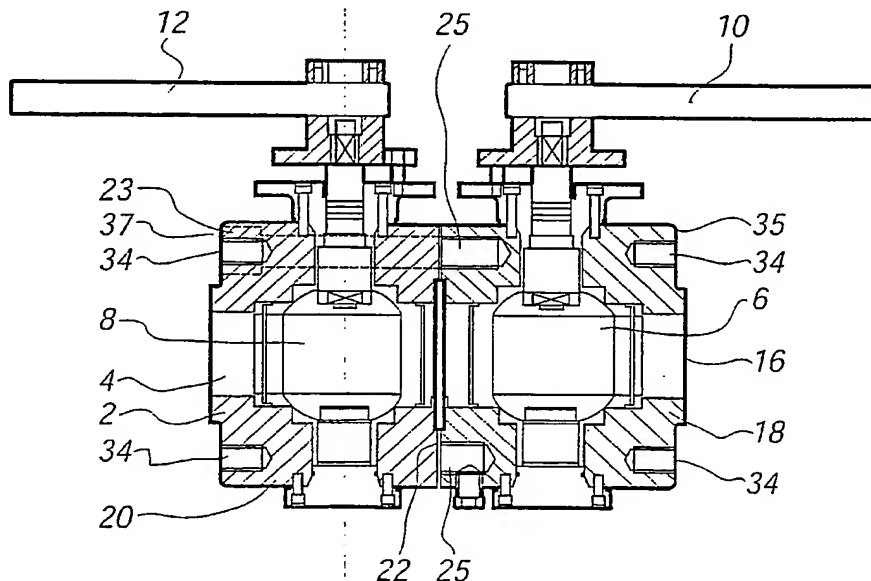
PCT

(10) International Publication Number
WO 2004/097275 A1

- (51) International Patent Classification⁷: **F16K 5/06**, (74) Agent: **BAILEY WALSH & CO**; 5 York Place, Leeds LS1 2SD (GB).
F16L 55/07
- (21) International Application Number: PCT/GB2004/001807
- (22) International Filing Date: 28 April 2004 (28.04.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0309660.9 29 April 2003 (29.04.2003) GB
- (71) Applicant (for all designated States except US): **ALCO HI-TEK LIMITED** [GB/GB]; Mission Works, Birds Royd Lane, Brighouse, W Yorkshire HD6 1LQ (GB).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **LOMAX, Stuart, Andrew** [GB/GB]; Mission Works, Birds Royd Lane, Brighouse, W Yorkshire HD6 1LQ (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: VALVE ASSEMBLY



(57) Abstract: The invention relates to a valve assembly (1), typically of the double block and bleed type. Conventionally these assemblies include a flange formation at each end to allow the same to be joined to adjacent pipeline end flanges. However this causes problems as there are limitations on the acceptable length of these valve types. The present invention provides ports (34) for the reception of location means (32) in the valve body (2) without the need for the flange formations and therefor allows the valve body (2) to extend along the whole length of the valve assembly (1), increasing the space available for the valve components within the valve assembly (1).

WO 2004/097275 A1